J. L. Mann High School Weekly Lesson Plans 2025-2026

Teacher's Name: J. Sullivan Course: AP Statistics Dates: 3/30/26-4/3/26

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
STANDARDS	STANDARDS	STANDARDS	STANDARDS	STANDARDS
UNC-4.C Determine the margin of error for a given sample size and an estimate for the sample size that will result in a given margin of error for a population proportion.	UNC-4.B, UNC-4.C, UNC-4.D, UNC-4.O, UNC-4.Q, VAR-4.P, UNC-4.R, VAR-7.A, VAR-4.P, UNC-4.U VAR-7.B Identify an appropriate testing method for a population mean with unknown standard deviation. VAR-7.C Identify the null and alternative hypotheses for a population mean with unknown standard deviation.	VAR-7.C Identify the null and alternative hypotheses for a population mean with unknown standard deviation. VAR-7.D Verify the conditions for the test for a population mean. VAR-7.E Calculate an appropriate test statistic for a population mean. DAT-3.E Interpret the p-value of a significance test for a population mean DAT-3.F	VAR-7.C, VAR-7.D, VAR-7.E, DAT-3.E DAT-3.F Justify a claim about the population based on the results of a significance test for a population mean. UNC-5.A Identify Type I and Type II errors. UNC-5.B Calculate the probability of Type I and Type II errors. UNC-5.D Interpret Type I and Type II errors.	VAR-7.B Identify an appropriate testing method for a population mean with unknown standard deviation. VAR-7.C Identify the null and alternative hypotheses for a population mean with unknown standard deviation. VAR-7.D Verify the conditions for the test for a population mean. VAR-7.E Calculate an appropriate test statistic for a population mean. DAT-3.F Justify a claim about the population based on the results of a significance test for a population mean.
LEARNING TARGET	LEARNING TARGET	LEARNING TARGET	LEARNING TARGET	LEARNING TARGET
Students will be able to construct a z-confidence interval to estimate an unknown population proportion.	Students will apply their understanding of the standards in order to show mastery of constructing confidence intervals to estimate population means	Students will run a test for means to test a claim about a population mean. Using the p-value, students will justify a claim about the population based on	Based on the conclusion of the significance test students will identify the type of error(Type 1 or Type 2) they could have made, the probability of the error, and the	Students will run a t test for means to test a claim about a population mean.

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Students will determine the sample size needed for a desired margin of error.	**and population proportions.**	**the results of the significance test.**	**consequences of that error.**	
ACTIVATING STRATEGY	**ACTIVATING STRATEGY**	**ACTIVATING STRATEGY**	**ACTIVATING STRATEGY**	**ACTIVATING STRATEGY**
Bellwork	**Bellwork**	**Bellwork**	**Bellwork**	**Bellwork**
LESSON ACTIVITIES	**LESSON ACTIVITIES**	**LESSON ACTIVITIES**	**LESSON ACTIVITIES**	**LESSON ACTIVITIES**
Solving for n for a desired margin of error Test Review Review Game	**Chapter 8 Test Intro to Hypothesis Testing Setting up hypotheses**	**Z test and t test for means Justifying a claim about a population mean**	**Type I and Type II errors Consequences of errors**	**Review Errors Finding the p-value from the t-chart Performing t Tests for means**
CLOSURE	**CLOSURE**	**CLOSURE**	**CLOSURE**	**CLOSURE**
Practice Problems	**Practice Problems**	**Practice Problems**	**Practice Problems**	**Practice Problems**
Important Due Dates: Tuesday, March 31st Chapter 8 Test				

How are you utilizing UDL learning guidelines and strategies within your weekly lessons? Check the boxes or highlight :)

REPRESENTATION options for presenting content	ENGAGEMENT options for engaging student interest	EXPRESSION options for students to demonstrate learning	CULTURAL CONSIDERATIONS	ASSESSMENTS
☐Artifacts ☐Pictures ☐Graphic Organizers ☐Video Clips ☐Audio Recordings	X Cooperative Work X Partner Work ☐Manipulatives ☐Movement ☐Debates	X Written Response ☐Illustrated Response X Oral Response ☐Model Creation ☐Construction	☐Nature of content & ethnicity and/or culture of students ☐Other:	X Class Work ☐Journals X Group Discussion X Individual Participation X Quiz / Test

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☐Lab X Lecture ☐Other:	☐Role Plays or Simulations ☐Other:	☐Other:		☐Project ☐Conference ☐Essay ☐Other:

*All adjustments to the teacher's lesson plans will be communicated to the students.